



# ACP1000 AC Current Probe User Manual



The ACP1000 AC current probe is clamp-on core design. It tests the circuit current safely and directly without disconnecting the circuit. This method permits a safe, easy and portable current measurement.

## FEATURES

- Good appearance
- Clamp-on core design safer, easier installation without disconnecting the circuit to test
- Current or three specs voltage output signal

## APPLICATIONS

- Current, power energy power factor correction device
- Industrial control device
- Oscilloscope and harmonic wave analyzer

## Shenzhen Micsig Instruments Co., Ltd.

Add: 1F, Bldg A, Huafeng International Robot Industrial Park, Hangcheng Avenue, Xixiang Sub-district, Bao'an District, Shenzhen, China  
TEL: +86-755-88600880  
WEB: [www.micsig.com](http://www.micsig.com) E-mail: [sales@micsig.com](mailto:sales@micsig.com)

## SPECIFICATIONS

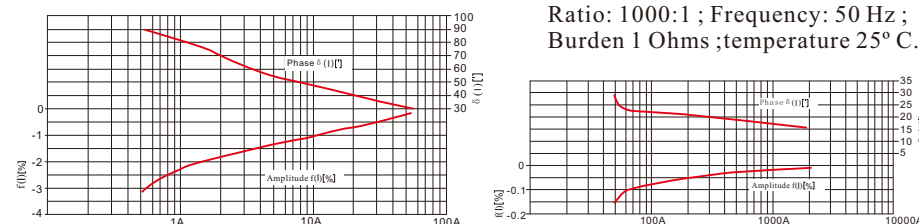
- Current range: 0.1A-1000A
- Maximum working current: 2000A
- Output signal: mV/A
- Operating frequency: 10Hz-100kHz
- Maximum accuracy: 1%
- Operating Temperature: -15° C to 60° C
- Safety class: CAT III 600V
- Maximum conductor diameter: 2.05 inches (52mm)
- Dimensions: 4.37 in. x 8.50 in. x 1.77 in. (111x216x45mm)
- Output cable: 1.5m BNC insulated coaxial output cable can connect directly to an oscilloscope, and can be used with Multimeters with optional BNC/Banana adapter.
- Environmentl compliance: RoHS compliane

## PERFORMANCES

| Model   | Input current (A) | Output signal | Frequency (Hz) | Secondary burden (Ohms) | Accuracy class |
|---------|-------------------|---------------|----------------|-------------------------|----------------|
| ACP1000 | 0.1-10            | 100mV/A       | 10-100K        | ≥100K                   | 3% ± 10mV      |
|         | 0.1-100           | 10mV/A        |                |                         | 2% ± 5mV       |
|         | 1-1000            | 1mV/A         |                |                         | 1% ± 1mV       |

Notes: Accuracies are given for 48 Hz to 65Hz; the ambient temperature of 25° C ± 3° C.

## CHARACTERISTIC PERFORMANCE CURVE



Micsig warrants that this current probe will be free from defects in materials and workmanship for a period of one(1) year. If any such product proves defective during this warranty period, Micsig, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product. Parts, modules and replacement products used by Micsig for warranty work may be new or reconditioned to like new performance. All replaced parts, modules and products become the property of Micsig.